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1 [Architecture for resource allocation services supporting interactive remote desktop sessions in utility grids](#)



Vanish Talwar, Bikash Agarwalla, Sujoy Basu, Raj Kumar, Klara Nahrstedt

October 2004 **Proceedings of the 2nd workshop on Middleware for grid computing**  
**MGC '04**

**Publisher:** ACM Press

Full text available: pdf(131.96 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Emerging large scale utility computing systems like Grids promise computing and storage to be provided to end users as a utility. System management services deployed in the middleware are a key to enabling this vision. Utility Grids provide a challenge in terms of scale, dynamism, and heterogeneity of resources and workloads. In this paper, we present a model based architecture for resource allocation services for Utility Grids. The proposed service is built in the context of interactive remo ...

**Keywords:** QoS, grid computing, remote desktop sessions, resource allocation service

2 [THINC: a virtual display architecture for thin-client computing](#)



Ricardo A. Baratto, Leonard N. Kim, Jason Nieh

October 2005 **ACM SIGOPS Operating Systems Review , Proceedings of the twentieth ACM symposium on Operating systems principles SOSP '05**, Volume 39 Issue 5

**Publisher:** ACM Press

Full text available: pdf(297.26 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Rapid improvements in network bandwidth, cost, and ubiquity combined with the security hazards and high total cost of ownership of personal computers have created a growing market for thin-client computing. We introduce THINC, a virtual display architecture for high-performance thin-client computing in both LAN and WAN environments. THINC virtualizes the display at the device driver interface to transparently intercept application display commands and translate them into a few simple low-level c ...

**Keywords:** mobility, remote display, thin-client computing, virtualization

3 [Managing open access labs: "MacGyver principle"](#)



Mark A. Adams

October 2004 **Proceedings of the 32nd annual ACM SIGUCCS conference on User**



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1 [Calibration for augmented reality experimental testbeds](#)



Valerie A. Summers, Kellogg S. Booth, Tom Calvert, Evan Graham, Christine L. MacKenzie  
April 1999 **Proceedings of the 1999 symposium on Interactive 3D graphics**

**Publisher:** ACM Press

Full text available: [pdf\(1.38 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

**Keywords:** augmented reality, calibration, experimental systems, registration

2 [Novel interfaces: FaceSpace: endo- and exo-spatial hypermedia in the transparent video facetop](#)



David Stotts, Jason McC. Smith, Karl Gyllstrom

August 2004 **Proceedings of the fifteenth ACM conference on Hypertext and hypermedia HYPERTEXT '04**

**Publisher:** ACM Press

Full text available: [pdf\(2.19 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The Transparent Video Facetop is a novel user interface concept that supports not only single-user interactions with a PC, but also close pair collaborations, such as that found in collaborative Web browsing, in distributed pair programming and in remote medicine. We recently demonstrated the Vis-a-Vid Facetop prototype as a single-user GUI for manipulating the elements of a traditional WIMP desktop [21]. In this paper we introduce FaceSpace, a Facetop-based hypermedia system that combines struc ...

**Keywords:** augmented reality, hypermedia, hypertext, transparency, video

3 [The desktop metaphor as an approach to user interface design \(panel discussion\)](#)



Jeff A. Johnson, David C. Smith, Frank E. Ludolph, Charles H. Irby

October 1985 **Proceedings of the 1985 ACM annual conference on The range of computing : mid-80's perspective: mid-80's perspective**

**Publisher:** ACM Press

Full text available: [pdf\(205.45 KB\)](#) Additional Information: [full citation](#), [index terms](#)